

**Day in the Life of the Hudson River 10/22/19**

**RIVERFRONT PARK, DOBBS FERRY**

**RIVER MILE: 23**

*Salt Front: ~ RM 53*

**EF International Boarding School- Stephen Fleming**

**180 students 11<sup>th</sup> grade, 10 adults**

**Latitude 41.01516 N & Longitude – 73.87999 W**

**Location:** Dobbs Ferry Waterfront Park, Westchester County, NY

**Area:** Waterfront park, parking lot

**Surrounding Land Use:** beach, parkland

**Sampling Site:** small beach, riprap, concrete bulkhead, area covered with vegetation

**Shoreline:** Sandy

**River Bottom:** Muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature</i>	NR			
<i>Wind Speed:</i>	NR			
<i>Weather today</i>	NR			
<i>Weather the past 3 days:</i>	NR			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (in)</i>	<i>Rate of Tidal Change (cm/min)</i>
	NR			
<i>Current-</i>	<i>cm/second</i>	<i>North/South</i>	<i>Knots</i>	<i>Ebb/Flood/Still</i>
	NR			
<i>Water Temperature</i>	9-10 AM	16.2 °C		
<i>Turbidity-</i>	NR			
<b>Chemical</b>				
<i>Salinity-</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	
	9:30-10 AM	10,000 ppm	4,000 ppm	<i>*Note standardized salinity for this site at this time was 4780ppm</i>
	10-10:30 AM	10,000 ppm	3,000 ppm	
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:28 AM	16°C	7.8	
<i>pH –</i>	9:30-10 AM	Avg: 7.3		
	10-10:30 AM	Avg: 7.4		
<i>Nitrates</i>	10:07 AM	1.0 ppm		
	10:30 AM	1.5 ppm		
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	30	Atlantic Silverside		
	1	Striped Bass		
	1	Perch		
	1	Pipefish		
<b>Fish Totals</b>	<b>TOTAL: 33</b>	<b>Diversity: 4</b>		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	1	Blue Crab		
	4	Shrimp		
	6	Jellies		
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 11</b>	<b>Diversity: 3</b>		